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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/665,128
Filing Date	September 22, 2003
First Named Inventor	Michael E. Thomas
Art Unit	1742
Examiner Name	Unknown
Attorney Docket Number	H0003933

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 2 return receipt postcards; copy of non-U.S.cited references
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Jennifer J. Taylor, Ph.D.; Reg. No. 48,711; Wells St. John P.S.
Signature	<i>Jennifer J. Taylor</i>
Date	January 9, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

January 9, 2004

Typed or printed	Jaime M. White		
Signature	<i>Jaime M. White</i>	Date	January 9, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/665,128
Filing Date September 22, 2003
Inventor Michael E. Thomas et al.
Assignee Honeywell International Inc.
Group Art Unit 1742
Examiner Unknown
Attorney's Docket No. H0003933
Title: Homogenous Solid Solution Alloys for Sputter-Deposited Thin Films

INFORMATION DISCLOSURE STATEMENT

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

From: Jennifer J. Taylor, Ph.D. (Tel. 509-624-4276; Fax 509-838-3424)
Wells St. John P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828

Dear Sir:

The attached form PTO-1449 is submitted in compliance with 37 CFR § 1.56. Copies of the cited art are included with the exception of U.S. patents and published U.S. applications (1276 Off. Gaz. Pat. Off. 55, 05 August 2003). No admission is made regarding whether all the submitted references are prior art.

Respectfully submitted,

Dated:

January 9, 2004

By:

Jennifer J. Taylor
Jennifer J. Taylor, Ph.D.
Reg. No. 48,711

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Michael E. Thomas et al.FILING DATE
September 22, 2003GROUP
1742

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	6,024,847	02-2000	Rosenberg et al.			
AB	2,949,357	08-1960	Resnick			
AC	5,171,379	12-1992	Kumar et al.			
AD	5,403,458	04-1995	Hartig et al.			
AE	5,209,835	05-1993	Makino et al.			

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						Yes	No
AF	JP1092338	04/1989	Japan				
AG	GB 810533	03/1959	GB				
AH	JP57019372	02/1982	Japan				
AI	JP200273623	10/2000	Japan				
AJ	SU1582683	09/1996	SU				
AK	252,442	06/1960	AU				
AL	55-179784	12/1980	Japan				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AN	Hughes et al., "Grain Subdivision and the Development of Local Orientations in Rolled Tantalum" Tantalum, The Minerals, Metals & Materials Society, 1996, pgs. 257-262. (Year is sufficiently early so that the month is not an issue.)
AO	ASTM Standard Specification for Tantalum and Tantalum Alloy Plate, Sheet, and Strip, pgs. 558-561, 1992. (Year is sufficiently early so that the month is not an issue.)
AP	Arlt, Jr., "Sulfonation and Sulfonation to Thorium and Thorium Compounds" Kirk-Othmer Encyclopedia of chemical Technology vol. 22, pp. 541-564, (1993, Year is sufficiently early so that the month is not an issue.)
AQ	Kumar, et al. "Effect of Intermetallic Compounds of the Properties of Tantalum" Materials Research Society Symposium Proceedings, vol. 322, pgs. 413-422, 1994. (Year is sufficiently early so that the month is not an issue.)
AR	Kirkbride et al., "The Effect of Yttrium on the Recrystallization and Grain Growth of Tantalum", J. Less-Common Metals, vol. 9, pp. 393-408, 1965. (Year is sufficiently early so that the month is not an issue.)
AS	National Research Corporation Press Release, pgs. 1-4, July 1964.
AT	National Research Corporation Data Sheet "SGS Tatalum", pgs. 1-7, no date.
AU	Kumar, et al. "Effect of Intermetallic Compounds of the Properties of Tantalum" Refractory Metals & Hard Materials, vol. 12, pgs. 35-40, 1994. (Year is sufficiently early so that the month is not an issue.)
AV	Klein et al., "Inhomogeneous Textures in Tantalum Sheets" Materials Science Forum, vol. 157-162, pgs. 1423, (1994). (Year is sufficiently early so that the month is not an issue.)
AW	Clark et al., "Influence of Transverse Rolling on the Microstructural and Texture Development in Pure Tantalum", Metallurgical Transactions, vol. 23A, pgs. 2183-2191, August 1992.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. H0003933		SERIAL NO. 10/665.128	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Michael E. Thomas et al.			
				FILING DATE September 22, 2003		GROUP 1742	

U.S. PATENT DOCUMENTS							
*Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	5,939,788	08-1999	McTeer				
	AB 4,903,117	02-1990	Okamoto et al.				
	AC 6,521,173	02-2003	Kumar et al.				
	AD 5,372,659	12-1994	Lamaze et al.				
	AE 4,830,665	05-1989	Winand				

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Document Number	Date	Country	Class	Subclass	Translation		
					Yes	No	
AF 05097408	04/93	JP (abstract)					
AG 0 442 752 A1	08/91	EP					
AH 0 928 977 A1	07/99	EP					
AI JP61031992A	02/86	JP (abstract)					
AJ WO 02/00959 A1	01/02	WO					
AK 09-025562	28.01.1997	Japan					
AL 56071955A	15.06.1981	Japan					
AM 02-173222	04.07.1990	Japan					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
AN		Raabe, et al., "Texture and Microstructure of Rolled and Annealed Tantalum", Materials Science and Technology, Vol. 10, pgs. 299-305, April 1994.
AO		Wright et al., "Texture Gradient Effects in Tantalum", International Conference on Textures of Materials, 7 pgs., September 1993.
AP		Wright et al., "Textural and Microstructural Gradient Effects on the Mechanical Behavior of a Tantalum Plate", Metallurgical Transactions A, 25A (1994), pgs. 1-17. (Year is sufficiently early so that the month is not an issue.)
AQ		Clark et al., "Effect of Processing Variables on Texture and Texture Gradients in Tantalum", Metallurgical Transactions A, Vol. 22A, September 1991, pgs. 2039-2047.
AR		Kumar et al., "Corrosion Resistant Properties of Tantalum" Corrosion 95, Paper No. 253, 14 pages. (No date)
AS		
AT		
AU		
AV		
AW		

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. H0003933		SERIAL NO. 10/665,128	
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px; font-size: 2em; font-weight: bold;"> TIME JAN 12 2004 JAN 12 2004 JAN 12 2004 </div> </div>				LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)			
				APPLICANT Michael E. Thomas et al.			
				FILING DATE September 22, 2003		GROUP 1742	

U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,110,637	05-1992	Ando			
	AB	6,451,402 B1	09-2002	Nee			
	AC	6,417,105 B1	07-2002	Shah et al.			
	AD						
	AE						

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AF	EP0872572 A1	10-1998	EPO				
	AG	WO 98/49357	11-1998	PCT				
	AH	WO 00/13235	09/03/2000	PCT				
	AI	08120445	14/05/1996	Japan				
	AJ	FR 2 585 730 A1	08/01/1985	France				
	AK	GB 2 202 237 A	21/09/1988	GB				
	AL	11074348	16/03/1999	Japan				
	AM	2000012539	14/01/2000	Japan				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
AN		Knotek et al., "The Structure and Composition of Ti-Zr-N, Ti-Al-Zr-N and Ti-Al-V-N Coatings" Materials Science and Engineering, A105/106, December 1988, pgs. 481-488.	
AO			
AP		Sakamoto et al., "Preparation and Microstructure of Reactively Sputtered Ti _{1-x} Zr _x N Films" Thin Solid Films 228, May 1993, pgs. 169-172.	
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